

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference NSP/P89357PWO	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/001511	International filing date (day/month/year) 07/04/2004	(Earliest) Priority Date (day/month/year) 15/04/2003
Applicant  ROBINSON, James Andrew		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

**4. With regard to the title,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

CONDENSATION PROCESS AND CONDENSER

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regards to the drawings,**

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01D53/00 B01D5/00 B01D53/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 553 706 A (W. SEILER) 4 August 1993 (1993-08-04)	1,2
A	figures	3-33
X	EP 0 856 714 A (LINDE AG) 5 August 1998 (1998-08-05)	1,2
A	figures	3-33
A	EP 0 691 156 A (THE BABCOCK & WILCOX COMPANY) 10 January 1996 (1996-01-10) figure 2	1-33
A	US 5 231 836 A (RISTO SAARI) 3 August 1993 (1993-08-03)	
A	US 3 884 768 A (JOSEPH W. GRIFFITH) 20 May 1975 (1975-05-20)	
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

19 July 2004

Date of mailing of the international search report

26/07/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 42 39 021 A (LINDE-KCA-DRESDEN) 26 May 1994 (1994-05-26) -----	
A	GB 669 104 A (VICTOR WOLF LTD) 26 March 1952 (1952-03-26) -----	

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0553706	A	04-08-1993	DE	4202802 A1	05-08-1993
			AU	3194093 A	05-08-1993
			CA	2087996 A1	01-08-1993
			EP	0553706 A1	04-08-1993
			JP	6304435 A	01-11-1994
			US	5415224 A	16-05-1995
EP 0856714	A	05-08-1998	DE	19703681 A1	06-08-1998
			EP	0856714 A2	05-08-1998
EP 0691156	A	10-01-1996	US	5534230 A	09-07-1996
			EP	0691156 A2	10-01-1996
			JP	8105619 A	23-04-1996
US 5231836	A	03-08-1993	FI	82386 B	30-11-1990
			CA	2055610 A1	01-12-1990
			EP	0474659 A1	18-03-1992
			WO	9014873 A1	13-12-1990
			JP	4505880 T	15-10-1992
			PT	94194 A	28-02-1992
US 3884768	A	20-05-1975	CA	1009977 A1	10-05-1977
DE 4239021	A	26-05-1994	DE	4239021 A1	26-05-1994
GB 669104	A	26-03-1952	DE	807812 C	
			NL	72565 C	